

Tran Quoc Huy

Senior Frontend & Mobile Product Engineer

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PROFESSIONAL SUMMARY

Senior product engineer with 10+ years of frontend experience and current hands-on ownership across web, mobile, cloud integration, automated QA and release engineering. Strong in TypeScript/React/Next.js and Flutter/React Native, with practical experience taking products from prototype and ambiguous requirements through architecture, implementation, physical-device testing, CI/CD, signing and production-readiness. Security-conscious and comfortable working across API contracts, authentication, cloud services and developer tooling.

CURRENT QUALIFICATIONS

Web: TypeScript, JavaScript, React, Next.js, Angular, HTML/CSS/SCSS, Tailwind, responsive product UI

Mobile: Flutter, React Native, Expo; local-first architecture; Android/iOS cross-platform delivery

Architecture: Contract-first APIs, OpenAPI, micro-frontends, reusable component systems, state management

Cloud & Backend: Firebase Auth/Firestore/Storage/App Check, Google Cloud Functions, Supabase, Node.js, REST APIs

Quality: Playwright/E2E, automated regression tests, physical-device QA, CI quality gates, release verification

Release Engineering: Android release builds/signing, iOS parity/cloud builds, TestFlight/Play Store readiness, privacy checks

Security: Authentication/authorization design, WebAuthn concepts, default-deny data rules, dependency/supply-chain awareness

Engineering Workflow: Git, GitHub Actions, Docker, Nx, Vite/Webpack; AI-assisted development and structured agent workflows

RECENT PRODUCT ENGINEERING

Independent / Product Projects | Senior Product Engineer | 2025 - Present

- Built and hardened production-oriented web/mobile products with emphasis on end-to-end delivery rather than frontend implementation alone.
- Designed contract-first API boundaries and automated verification workflows using OpenAPI, TypeScript and Playwright/E2E testing.
- Implemented cloud-backed authentication, data and storage flows using Firebase and Supabase, including security rules and release-safe configuration.
- Established CI gates for static analysis, automated tests, release builds, signing safeguards, privacy configuration and cross-platform build parity.
- Used AI-assisted engineering workflows to accelerate implementation while preserving explicit requirements, tests, ownership boundaries and human release control.

One Frame / Dấu Ngày | Flutter, local-first mobile product

- Built a Flutter journaling product around photo + note capture, timeline/calendar, search and notifications, designed to remain useful without a mandatory backend/account.
- Verified Android behavior on a physical device and hardened release quality with CI checks for notification resources, backup/privacy settings, release-signing safeguards and iOS build parity.
- Designed the architecture so optional cloud/AI capabilities can be added without compromising the local-first core.

ThunViet V2 | Next.js/TypeScript, APIs, QA & delivery

- Worked on a production-oriented system rewrite with clear frontend/backend/shared boundaries and reusable contracts.
- Applied OpenAPI contract validation, automated E2E regression coverage, CI postconditions and security-minded authorization/release workflows.
- Handled production issues involving authentication, cloud configuration and deployment behavior, with verification gates before release.

PROFESSIONAL EXPERIENCE

Positive Thinking Company | Frontend Developer | Jun 2022 - Jan 2025

- Built React/TypeScript product features across internal operations and video-streaming platforms; collaborated with product and cross-functional teams.
- Contributed to frontend modernization, including micro-frontend architecture, Next.js/Nx adoption, reusable UI and performance optimization.
- Built React Native/Expo mobile flows including REST integration, authentication, payments, push notifications and Android/iOS delivery.
- Reviewed code and mentored junior developers.

CyberLogitec | Frontend Developer | May 2018 - Jun 2022

- Designed React-based frontend solutions for logistics and shipping systems and helped migrate legacy areas toward modern frontend architecture.
- Delivered master-data/contract workflows and real-time ship/cargo route visualization used for operational decision-making.
- Mentored junior developers and contributed to maintainability and frontend engineering practices.

GO1 | Frontend Developer | 2016 - Jan 2018

- Built online-education platform features with AngularJS/TypeScript-era tooling, responsive marketing pages and D3/SVG client prototypes.
- Worked in Scrum, estimated backlog items, clarified requirements, implemented features, refactored code and participated in reviews.

FPT Software | Frontend Developer / Fresher | 2014 - 2016

- Built HTML/CSS/JavaScript/SVG education content and converted legacy Flash learning material to web experiences.
- Maintained frontend code and fixed bugs for a movie-streaming platform.

EDUCATION

University of Science, Ho Chi Minh City | Bachelor's Degree | 2010 - 2014

Faculty of Electronics and Telecommunications